



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Shrivasti/94

Date : 23.05.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Shivgarh Khurd , Block – Sirsiya
Distt. – Shrivasti

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : 167 mbgl

Date of Logging : 23.05.23

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : Upton

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Probable Lithology	Remarks	R_{mf} & R_w
1	47 – 50	3	Fine to medium sand	Good	$R_{mf} = 22.8 \Omega m$
2	57 – 62	5	Fine to medium sand	Good	$R_w = 24 \Omega m$
3	64 – 67	3	Fine to medium sand	Good	
4	94 – 97	3	Fine to medium sand	Good	
5	102 – 106	4	Fine to medium sand	Good	
6	122 – 130	8	Fine to medium sand	Good	
7	142 – 148	6	Fine to medium sand	Good	
8	152 – 157	5	Fine to medium sand	Good	

Remark :: Almost all zones are intermixed with fine bands of kankar.



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20.	130-145	15	Medium to fine sand	Recommended	Good		
21.	145-148	3	Clayey Sand	Recommended	Good		
22.	148-155	7	Medium to fine sand	Recommended	Good		
23.	155-161	6	Clayey sand		Good		
24.	161-163	2	Fine sand		Good		

14.Note:-

(i) All Zones are intermixed with kankar.

(ii) Zone 1,2,3 & 4 is intermixed with thin layers of kankar.

15. Quality of the formation water is good up to Logging depth.

16. Log Attached.

Rajeev Kumar

Rajeev Kumar
(Geophysicist)